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ABSTRACT

The invention concerns arrays comprising hundreds, thousands, to hundreds of thousands of samples and methods for screening thereof. These methods are useful to optimize, select, and discover compounds, compositions, or conditions that prevent, inhibit, induce, modify, or reverse physical-state transitions, particularly *in-vivo* physical-state transitions relating to disease causing processes. Such compounds, compositions, or conditions can be exploited to treat (*e.g.*, reverse) or prevent the disease itself, the cause of the disease, or the symptoms of the disease.

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